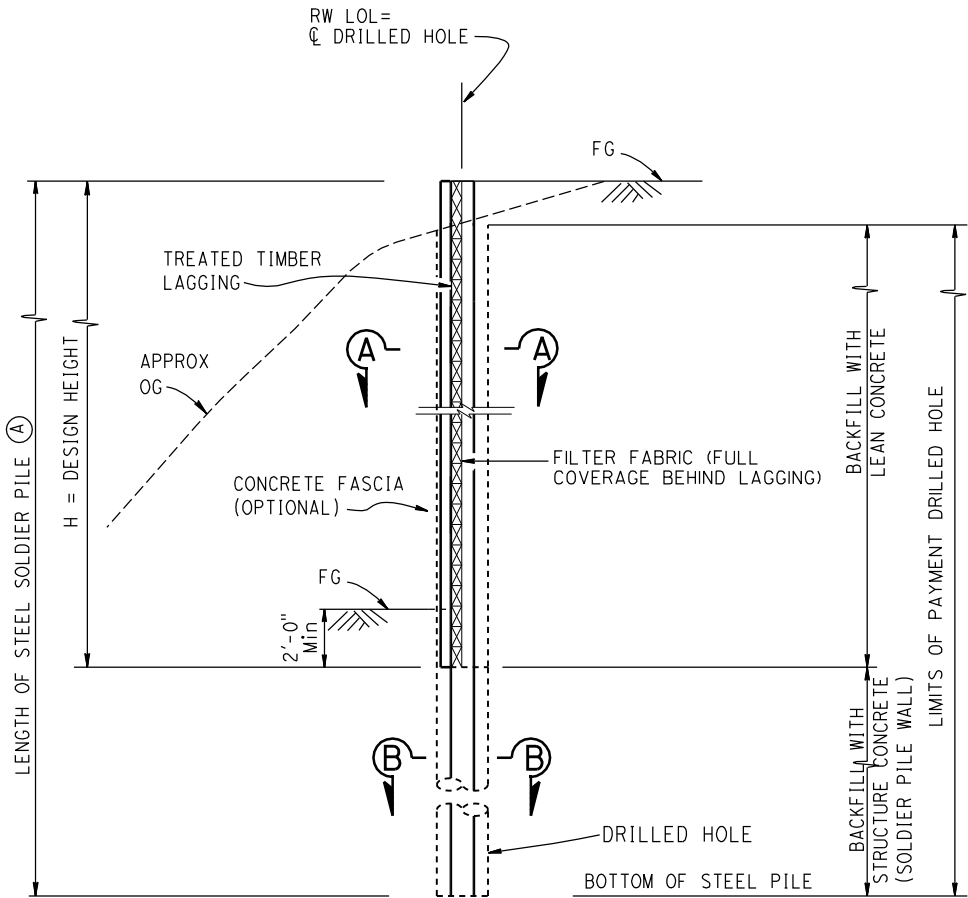
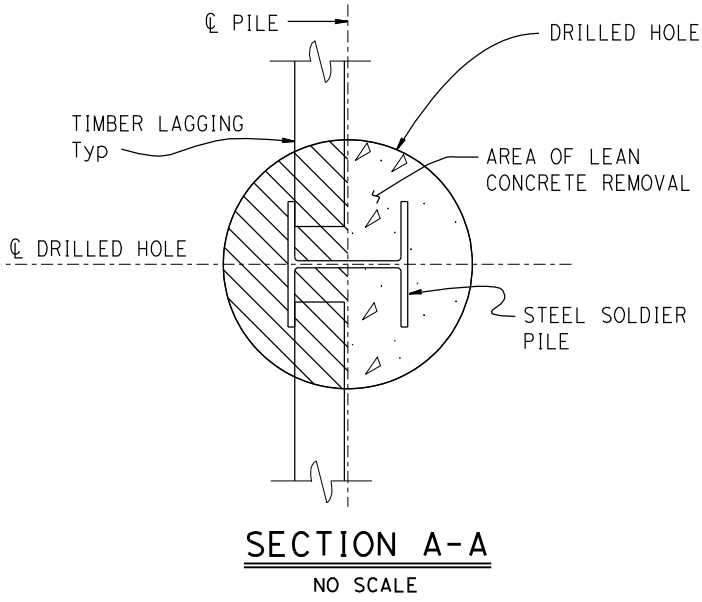
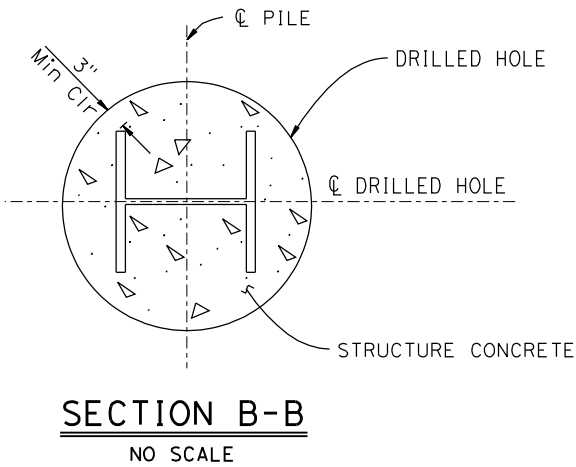


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X
REGISTERED CIVIL ENGINEER			X	DATE	
PLANS APPROVAL DATE			REGISTERED PROFESSIONAL ENGINEER		
			No. X		
			Exp. X		
			CIVIL		
			STATE OF CALIFORNIA		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



FOR DETAILS NOT SHOWN, SEE "PROJECT PLANS"

**TYPICAL SECTION**  
NO SCALE

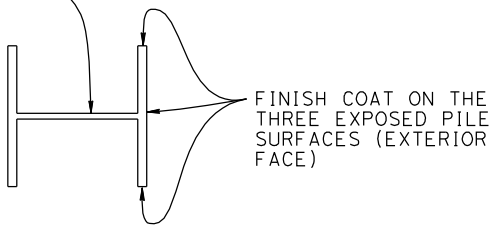


NOTE:

- (A) Clean and paint Steel Soldier Pile from top of pile to 5 feet, Min below bottom of lagging.

For lagging details see "SOLDIER PILE WALL LAGGING DETAILS"

UNDERCOAT ON ALL PILE SURFACES



**LIMITS OF CLEAN & PAINT STEEL SOLDIER PILE**  
NO SCALE

## GENERAL NOTES

DESIGN: AASHTO LRFD Bridge Design Specifications, 4th Edition with California Amendments.

LIVE LOAD: 240 psf equivalent to 2 feet soil weight

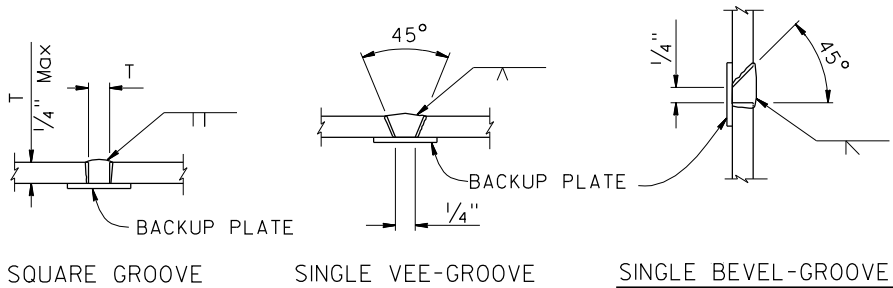
SOIL PARAMETERS: (For determination of Design Lateral Earth Pressures)

Backfill soil weight = \_\_\_\_ lb/ft<sup>3</sup>  
Friction Angle = \_\_\_\_ °  
Active Pressure coefficient, Ka = \_\_\_\_  
Bedrock Unit Weight = \_\_\_\_ lb/ft<sup>3</sup>  
Slope Angle = \_\_\_\_ °

STRUCTURAL STEEL: ASTM A709/A709M Grade 50 or 50W  
fy = 50 ksi

REINFORCED CONCRETE: f'c = 4000 psi  
fy = 60 ksi

STRUCTURAL TIMBER: Treated Douglas Fir, Grade No. 1 or better  
Timber to be full sawn



**PILE WELDING DETAIL-BUTT JOINTS**  
NO SCALE

NOTES:

- Single vee-groove and square groove permitted for all positions
- Single bevel-groove permitted for horizontal joints only
- For purposes of non-destructive testing, pile shall be considered a main tension member from top of pile to 5 feet below bottom of lagging. The remaining embedded portion of the pile shall be considered a main compression member.

STANDARD DRAWING		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. X		X	
FILE NO. <b>xs12-050</b>	APPROVAL DATE <u>July 2011</u>					POST MILE X		<b>CANTILEVER SOLDIER PILE WALL DETAILS</b>	
DS OSD 2147A (ENGLISH STANDARD DRAWING "XS" BORDER REV. (02-02-11))		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: X PROJECT NUMBER & PHASE: X		CONTRACT NO.: X		DISREGARD PRINTS BEARING EARLIER REVISION DATES	
								REVISION DATES	
								SHEET OF X X	